

# INTERNATIONAL SEARCH REPORT

Inter application No  
PCT/US2004/027722

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L25/02

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	TENG JOON LIM: "Bias in CDMA channel estimates with the use of short spreading sequences" IEEE 6TH INT. SYMPOSIUM ON SPREAD-SPECTUM TECH. AND APPLICATIONS, vol. 1, 6 September 2000 (2000-09-06), - 8 September 2000 (2000-09-08) pages 288-291, XP010517569 PISCATAWAY, NJ, USA	1-3, 7-22, 26-41, 45-57
A	page 288, left-hand column, last paragraph - page 289, left-hand column, line 20  page 289, right-hand column, line 23 - last line  ----- -/--	4-6, 23-25, 42-44

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
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Date of the actual completion of the international search

7 December 2004

Date of mailing of the international search report

17/12/2004

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 737 327 A (BORTH DAVID E ET AL)  7 April 1998 (1998-04-07)  abstract  column 6, line 39 - line 56  column 10, line 22 - column 11, line 26  column 12, line 20 - column 13, line 16  figures 4,5</p> <p style="text-align: center;">-----</p>	1-57

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information on patent family members

Inte Application No  
PCT/US2004/027722

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5737327 A	07-04-1998	CN 1185063 A ,B	17-06-1998
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		FR 2746990 A1	03-10-1997
		GB 2311702 A ,B	01-10-1997
		JP 3091711 B2	25-09-2000
		JP 10032560 A	03-02-1998
		KR 243720 B1	01-02-2000
		US 6243410 B1	05-06-2001
		US 5799011 A	25-08-1998
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